

ABSTRACT:

The invention relates to a device for subfield coding a large-screen display.

The device comprises means for generating a digital value for a picture element of the display and means for determining a first number and a second number of subfields of a predetermined total number of subfields from the digital value, for which determined
5 subfields the picture element emits radiation. In order to improve the dynamic range while maintaining the maximally obtainable brightness, the device comprises means for determining the first number of subfields from the digital value, the first number of subfields having a different on-period during which the picture element emits radiation, and means for
10 determining the second number of subfields from the digital value, the second number of subfields having a fixed on-period during which the picture element emits radiation.

Fig. 2